

A NEW SIMULIUM FROM TEXAS

(Diptera, Simuliidæ)

By FREDERICK KNAB

Among the Diptera recently submitted by the Bureau of Entomology for determination occurred the following undescribed species from the vicinity of Dallas, Texas.

Simulium mediovittatum, new species.

Female: Occiput, frons, and face densely whitish gray pollinose, with numerous fine but long silvery hairs; frons broad, above about one-third the width of the head, strongly narrowed toward antennæ. Antennæ rather stout dull ferruginous, tinged with black beyond the second joint and with fine appressed white pubescence. Scutum short, convex, blackish, densely whitish gray pruinose, a median, rather broad, reddish brown stripe extending from anterior margin to posterior fourth; a pair of elongate whitish spots at anterior margin on either side of median stripe, indistinct and only visible in some lights; sublaterally a paler, indistinct brownish stripe, broad and nearly straight; vestiture of rather abundant, small and slender, evenly distributed, yellowish silvery hair-scales; antescutellar area triangularly produced into scutellum, strongly impressed each side of middle. Scutellum narrow, compressed, blackish, gray pruinose, concolorous with scutum, clothed with long, yellowish silvery hairs. Postnotum black, gray pruinose. Pleuræ gray with silvery luster. Abdomen dorsally yellowish gray marked with black; a median series of large, rounded, deep black spots on segments 2-6, touching bases of segments but pale margined at the sides and behind; laterally these segments are blackish with broad apical pale margins; distal segments gray; venter gray. Front legs with the coxæ brownish yellow, the femora blackish, yellowish at base and apex, tibiæ dull yellowish basally and with a white reflection, shading to black beyond the middle; tarsi wholly black. Middle legs with the femora dull ferruginous yellow; tibiæ similarly colored basally and with a whitish sheen, the distal half black-